Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/25/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125502	0	2.39	125630	2.37
Blue	F	SSC	125000	124930	-1	3.47	125919	3.36
Blue	E	FITC	14203	13768	-4	2.86	299	15.24
Blue	D	PE	25703	25310	-2	2.46	548	10.97
Blue	B	PerCP-Cy5-5	42104	40846	-3	3.26	917	14.71
Blue	A	PE-Cy7	34646	34460	-1	4.57	495	29.74
Red	C	APC	49824	49611	-1	2.92	1517	11.38
Red	A	APC-Cy7	39773	38585	-3	2.97	733	11.77
Violet	B	V450	7447	7036	-6	3.91	394	13.15
Violet	A	V500	31193	29801	-5	3.75	678	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21983	2.70	551	-5	N/A	N/A	Pass
Blue	F	SSC	55253	2.99	515	3	N/A	N/A	Pass
Blue	E	FITC	56	55.60	484	-2	0.0449	267	Pass
Blue	D	PE	109	38.02	486	1	0.3180	207	Pass
Blue	B	PerCP-Cy5-5	175	35.58	577	0	0.0187	26	Pass
Blue	A	PE-Cy7	113	64.06	623	3	0.0211	0	Pass
Red	C	APC	355	23.80	569	2	0.0280	97	Pass
Red	A	APC-Cy7	204	25.00	545	1	0.0063	1007	Pass
Violet	B	V450	88	42.87	447	-2	0.0436	1614	Pass
Violet	A	V500	118	30.45	465	-2	0.0235	745	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.14	-31.78	1.06
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.91	15.99 - 23.99	N/A	N/A	30.10	30.41	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9945

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments